

METHOD AND SYSTEM FOR TRANSLATING DATA FORMATS

ABSTRACT OF THE DISCLOSURE

An IPC/IGC Bus Translator (IBT) translates between data formats including packets and narrow cells. IBT processes received packets, parsing them into cells or one or more cell formats. The invention is a system and method that selects the appropriate cell format based on predetermined factors. In one embodiment, the topology and configuration of the IPC/IGC components are factors used to determine the appropriate cell format. In another embodiment, the IBT receives cells and processes the received cells into packets. In one embodiment, the IBT translates packets received in a parallel architecture into cells in a serial architecture. The translator operates with packets in a parallel configuration and narrow cells in a serial configuration. A narrow cell format has a header and payload. The header includes a special character and control information. The payload includes data.